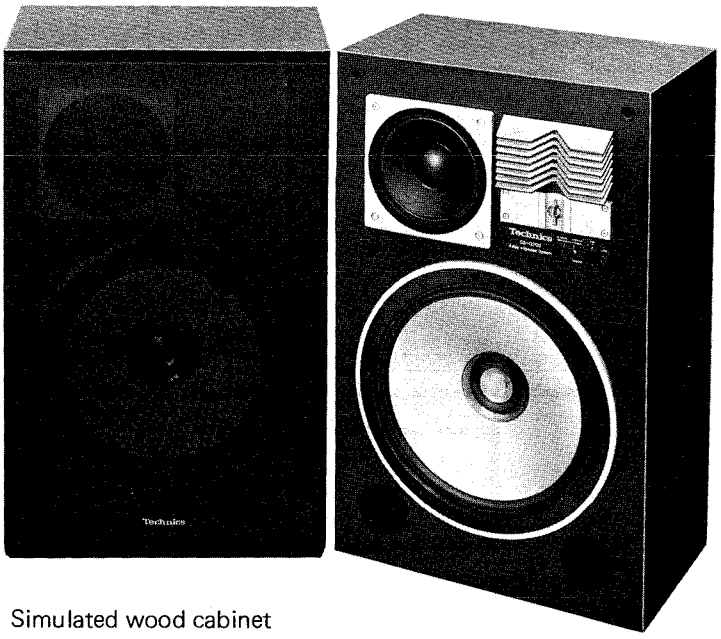
ORDER NO. SD81082018C4

Service Manual



Simulated wood cabinet

Hi-Fi Speaker System

SB-G700

[PA], [XA]

Areas

* [PA] is available in far East PX.
* [XA] is available in Southeast Asia, Oceanea, Africa, Middle Near East and Central South America.

Specifications (Specificatons are subject to change without notice for further improvement.)

Type:	4 way 4 speaker system
Speakers:	Woofer: 13-3/4" (35 cm) cone type
	Midrange: 6-5/16" (16 cm) cone type
	Tweeter: 2-1/2" (6.5 cm) cone type
	Super Tweeter: 5/8" (1.4 cm) dome type
Impedance:	8 ohms
Input Power:	180 W, Music
Output Sound Pressure Level:	97 dB/W (1.0 m)
Crossover Frequency:	300 Hz, 3,000 Hz, 8,000 Hz
Frequency Range:	40 Hz ~ 25 kHz (–20 dB)
Dimensions:	16-7/16"(W) x 23-5/8"(H) x 11-15/16"(D)
	41.8(W) x 66.9(H) x 30.4(D) cm
Weight:	30.8 lb. (14 kg)

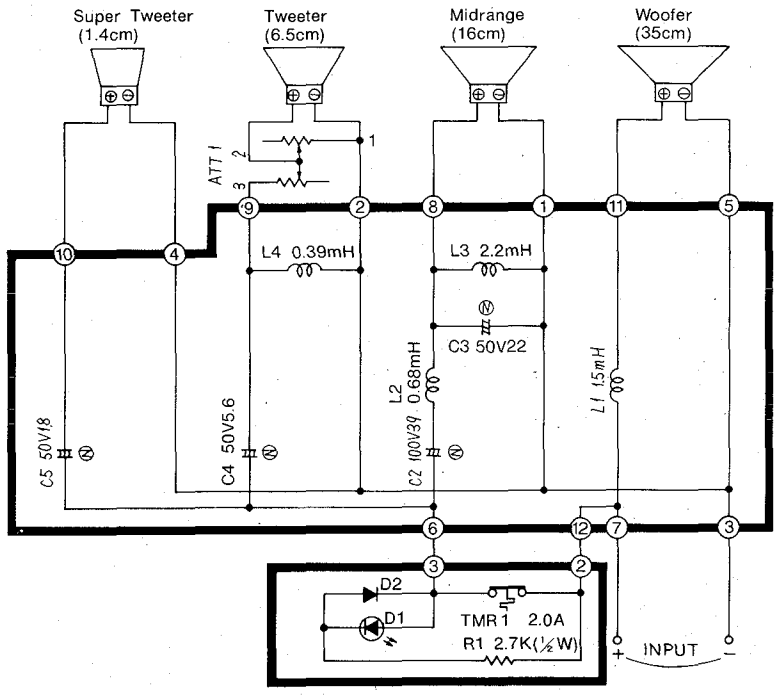
Especificationes (Estas especificaciones están sujetas a cualquier cambio sin previo eviso.)

Tipo:	Sistema con 4 altoparlantes
Altoparlantes:	"Woofer": tipo cónico, de 35 cm
	"Gama media": tipo cónico, de 16 cm
	"Tweeter": tipo cónico, de 6.5 cm
	"Super tweeter": tipo domo, de 1.4 cm
Impedancia:	8 ohmios
Capacidad de potencia:	180 vatios, música
Nivel de presión acústica de salida:	97 dB/W (1.0 m)
Frecuencia de cruce:	300 Hz, 3,000 Hz, 8,000 Hz
Alcance de frecuencia:	40 Hz ~ 25 kHz (–20 dB)
Dimensiones:	41.8(ancho) x 66.9(alto) x 30.4(prof.) cm
Peso:	14 kg

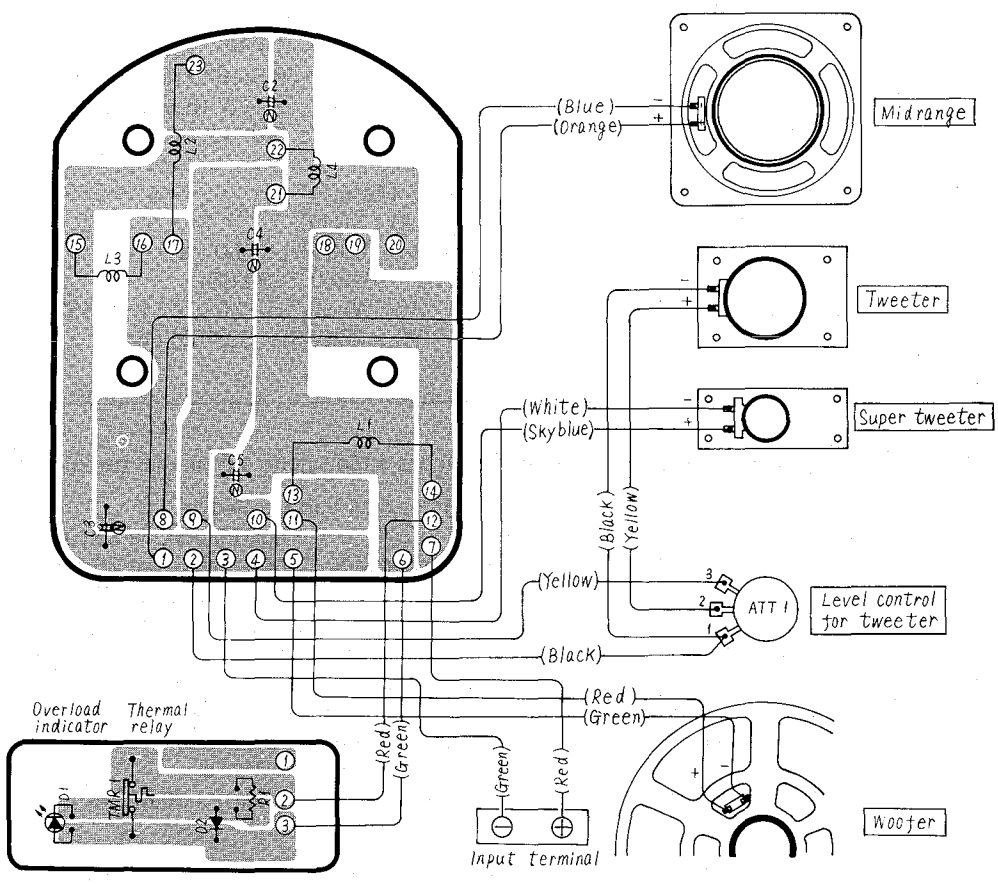
Technics
Panasonic Tokyo
Matsushita Electric Industrial Co., Ltd.
1-2, 1-chome, Shibakoen, Minato-ku, Tokyo 105 Japan
Matsushita Electric Trading Co., Ltd.
P.O. Box 288, Central Osaka Japan

■ SCHEMATIC DIAGRAM

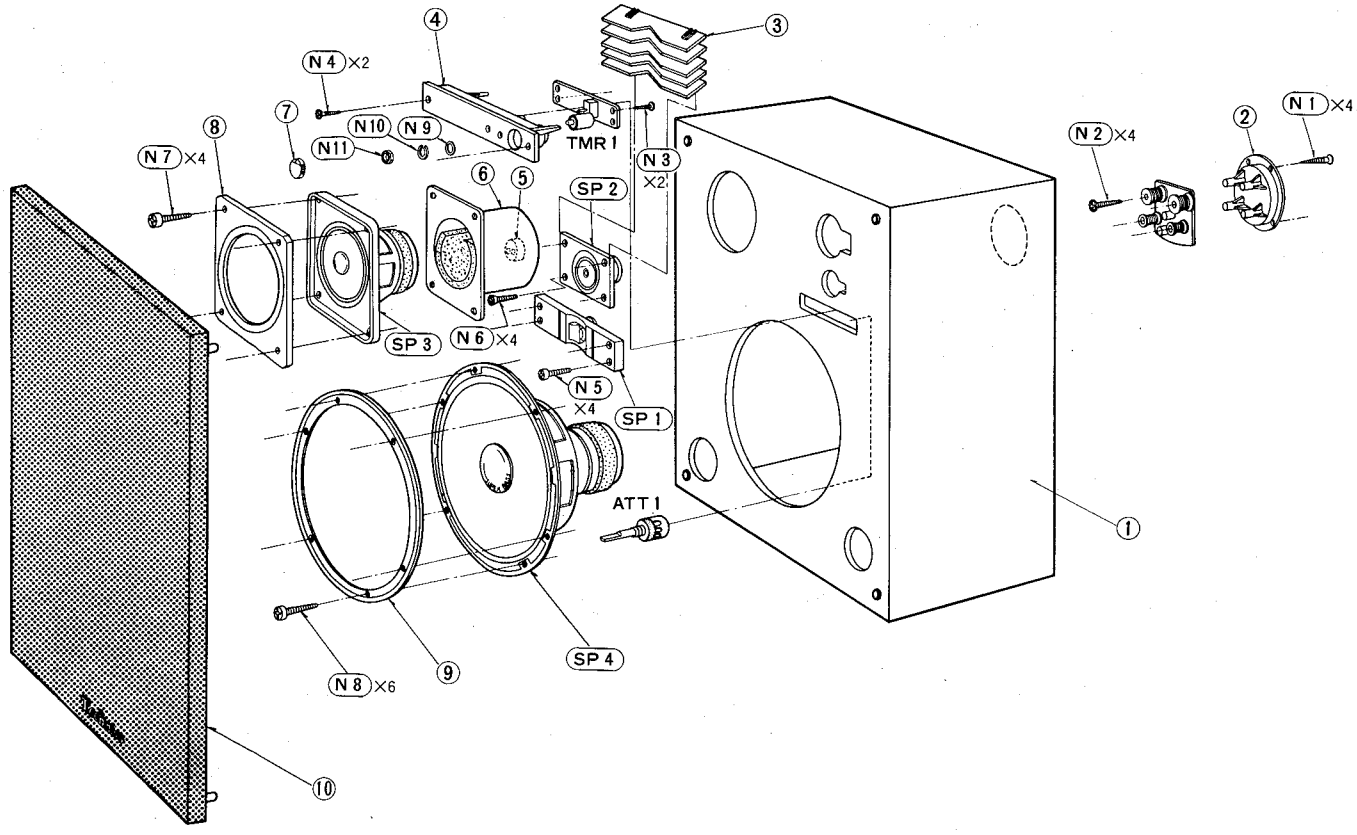
(This schematic diagram may be modified at any time with the development of new technology)



■ CIRCUIT BOARD AND WIRING CONNECTION DIAGRAM



■ EXPLODED VIEW



■ REPLACEMENT PARTS LIST

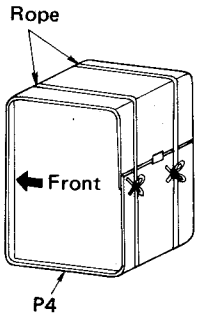
Notes: 1. Part numbers are indicated on most mechanical parts. Please use this part number for parts orders.
2. Bracketed indications in Ref. No. columns specify the area. Parts without these indications can be used for all areas.

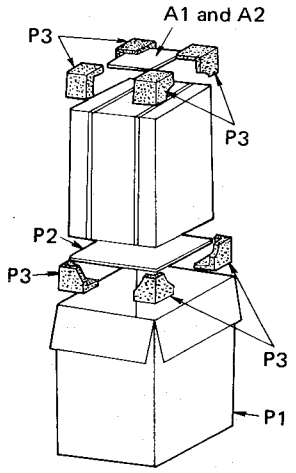
Ref. No.		Part No.	Part Name & Description
SPEAKERS			
SP1		EAS14HH04S	Speaker, Super Tweeter
SP2		EAS10PH33S	Speaker, Tweeter
SP3		EAS16PM205S	Speaker, Mid range
SP4		SASS33PL01–T	Speaker, Woofer
DIODES			
D1		LN21CP	Light Emitting Diode
D2		**MA162A**	Diode
COILS			
L1		SLCSE152JU	Choke Coil 1.5mH
L2		SLCSC681KU	Choke Coil 0.68mH
L3		SLCE222K–1D	Choke Coil 2.2mH
L4		SLCSC391KU	Choke Coil 0.39mH
CAPASITORS and RESISTOR			
C2		ECEA100Y39K	Electrolytic Capacitor 100V 39μF
C3		ECEA50Y22K	Electrolytic Capacitor 50V 22μF
C4		ECEA50Y5R6K	Electrolytic Capacitor 50V 5.6μF
C5		ECEA50Y1R8K	Electrolytic Capacitor 50V 1.8μF
R1		**ERD50FJ272**	Resister, Carbon 1/2W 2.7kΩ ±5%

Ref. No.		Part No.	Part Name & Description
ATTENUATOR			
ATT1		SRES2	Attenuator
BREAKER			
TMR1		SSBS20AB02–1	Breaker, Thermal Relay, 2A
CABINET PARTS			
1 (PA)		SKABG700MC	Cabinet
1 (XA)		SKABG700X	Cabinet
2		SWTBG700MC	Terminal Ass'y
3		SYES23	Diffuser, Tweeter
4		SGES63–2	Panel, Attenuator
5		SHG1435	Rugger, Midrange
6		SUVS5	Cover, Midrange
7		SBNS5	Knob, Attenuator
8		SYES26	Ornament, Midrange
9		SGES66	Ornament, Woofer
10		SYBS69	Grille
SCREWS, NUTS and WASHERS			
N1		XMS31+D13FZ	Screw, Terminal
N2		**XTB4+35BFN**	Screw, Choke Coil and P.C.B.
N3		**XTB3+8BFN**	Screw, Breaker P.C.B
N4		XMS31+D20FZ	Screw, Attenuator
N5		SNES9006FJ	Screw, Super, Tweeter
N6		**XTB4+20BFZ**	Screw, Tweeter
N7		SNES9003–2FJ	Screw, Midrange
N8		SNES9003–2FZ	Screw, Woofer
N9		XWG9E15	Washer, Attenuator
N10		**XWV9**	Washer, Attenuator
N11		**XNS9**	Nut, Attenuator

■ PACKINGS

Ref. No.		Part No.	Part Name & Description
ACCESSORY			
A1 (PA)		SQFS154	Instructions Book
A1 (XA)		SQFS156	Instructions Book
A2		WHCA400	Cord, Speaker
PACKING PARTS			
P1 (PA)		SPGS103	Carton Box
P1 (XA)		SPGS103–2	Carton Box
P2		SPSS6125	Pad, Bottom
P3		SPSS9014	Pad, Corner
P4		SPJS2–1	Polyethylene, Sheet





■ HOW TO REMOVE THE TWEETER

Remove the diffuser by sliding it up as shown in Fig. 1. Then the speaker can be removed.

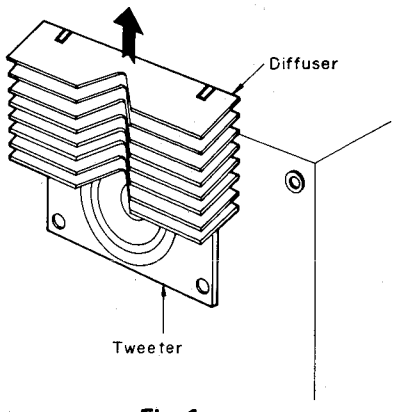


Fig. 1

■ HOW TO REMOVE THE SPEAKER PROTECTION CIRCUITRY

1. Remove the level control knob.
   (Insert a rope between the knob and name plate by using tweeters or the like as shown in Fig. 2. When the rope reaches the back of the knob as in Fig. 3, pull it to remove the knob.)
2. Remove the nut of the attenuator for level control and the name plate screws and then draw out the speaker protection circuitry. (Fig. 4)

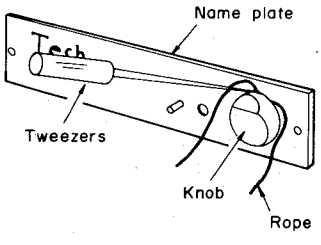


Fig. 2

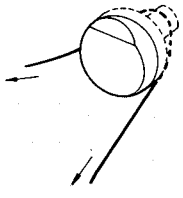


Fig. 3

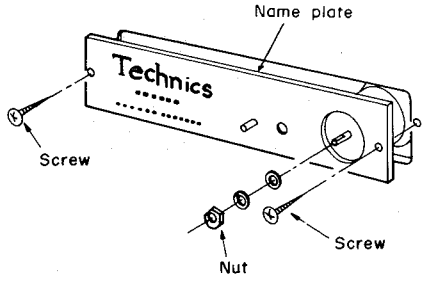


Fig. 4

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